

**DuPont™ StoneTech® Professional Enhancer**

Version 2.0

Revision Date 08/31/2010

Ref. 130000031663

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : DuPont™ StoneTech® Professional Enhancer  
MSDS Number : 130000031663

Manufacturer : DuPont  
1007 Market Street  
Wilmington, DE 19898

Product Information : 1-800-441-7515 (outside the U.S. 1-302-774-1000)  
Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)  
Transport Emergency : CHEMTREC: 1-800-424-9300 (outside the U.S. 1-703-527-3887)

**SECTION 2. HAZARDS IDENTIFICATION**

## Potential Health Effects

Skin : May cause skin irritation.

Eyes : May cause eye irritation. tearing, Blurred vision.

Inhalation : Inhalation of decomposition products in high concentration may cause shortness of breath (lung oedema). Inhalation of aerosol or fine spray mist may cause serious respiratory problems., Effects of breathing high concentrations of vapour may include:, dizziness, confusion, incoordination, drowsiness, or unconsciousness.

Ingestion  
2-Butoxyethanol : Red blood cell destruction which could produce tiredness, rapid heartbeat, dizziness, pale skin, leg cramps, shortness of breath, jaundice (yellow tinge to skin and eyes)

## Target Organs

2-Butoxyethanol : Blood

## Carcinogenicity

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.


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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
Water	7732-18-5	81 - 95 %
Modified Linseed Oil		5 - 15 %
2-Butoxyethanol	111-76-2	<2 %
Fluorinated Acrylic Copolymer		<2 %

**SECTION 4. FIRST AID MEASURES**

- Skin contact : Wash off immediately with soap and plenty of water. Wash contaminated clothing before re-use.
- Eye contact : Rinse immediately with plenty of water for at least 15 minutes. Seek medical advice.
- Inhalation : Move to fresh air. Oxygen or artificial respiration if needed. Symptoms may be delayed. Call a physician immediately.
- Ingestion : Call a physician or poison control centre immediately. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
- General advice : When symptoms persist or in all cases of doubt seek medical advice.

**SECTION 5. FIRE-FIGHTING MEASURES**

Flammable Properties



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- Flash point : > 110 °C (> 230 °F)
- Thermal decomposition : > 200 °C (> 392 °F)  
To avoid thermal decomposition, do not overheat.  
Thermal decomposition can lead to release of irritating gases and vapours.
- Fire and Explosion Hazard : The product itself does not burn. Hazardous decomposition products formed under fire conditions. Hazardous combustion products: Hydrogen fluoride Carbon dioxide (CO2) Carbon monoxide Other hazardous decomposition products may be formed.
- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Firefighting Instructions : Wear self contained breathing apparatus for fire fighting if necessary. Evacuate personnel to safe areas. Do not allow run-off from fire fighting to enter drains or water courses.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

- Safeguards (Personnel) : Evacuate personnel to safe areas. Use personal protective equipment. Ventilate the area.
- Spill Cleanup : Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.
- Accidental Release Measures : Do not discharge to streams, ponds, lakes or sewers. Avoid subsoil penetration.

**SECTION 7. HANDLING AND STORAGE**

- Handling (Personnel) : Avoid formation of respirable particles. Do not breathe vapor or mist. Avoid contact with skin, eyes and clothing.  
Wash hands before breaks and immediately after handling the product. Wash



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contaminated clothing before re-use.

**Handling (Physical Aspects)** : To avoid thermal decomposition, do not overheat. Thermal decomposition can lead to release of irritating gases and vapours. Do not spray near open flame or heated surface.

**Storage** : Keep tightly closed in a dry, cool and well-ventilated place.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering controls** : Use only in area provided with appropriate exhaust ventilation. Use an airless flow type of spray applicator. Keep spraying pressure below 60 psi.

**Personal protective equipment**  
**Respiratory protection** : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Hand protection** : Additional protection: Impervious gloves

**Eye protection** : Wear safety glasses or coverall chemical splash goggles.

**Skin and body protection** : Lightweight protective clothing

**Exposure Guidelines**  
**Exposure Limit Values**  
 2-Butoxyethanol

PEL: (OSHA) 50 ppm 240 mg/m<sup>3</sup> 8 hr. TWA  
 Skin designation

TLV (ACGIH) 20 ppm TWA  
 AEL\* (DUPONT) 20 ppm 8 & 12 hr. TWA  
 Skin designation

\* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form** : liquid

# Material Safety Data Sheet



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Color : milky, white  
Odor : ether-like  
pH : 4.5  
Boiling point : 100 °C (212 °F)  
% Volatile : 85 - 95 %  
Specific Gravity : 1.0  
Water solubility : soluble

### SECTION 10. STABILITY AND REACTIVITY

Stability : Stable under normal conditions.  
Conditions to avoid : To avoid thermal decomposition, do not overheat.  
Hazardous decomposition products : , Carbon dioxide , Carbon monoxide, Hydrogen fluoride  
Incompletely burned carbon products  
Other hazardous decomposition products may be formed.

### SECTION 11. TOXICOLOGICAL INFORMATION

2-Butoxyethanol  
Dermal LD50 : 210 mg/kg , guinea pig  
Dermal : rabbit  
Bloody urine  
Oral LD50 : 300 mg/kg , rabbit  
Oral : rat  
Abnormal decrease in number of red blood cells  
Inhalation LC50 : 2.21 mg/l , rat  
Inhalation : rat  
Abnormal decrease in number of red blood cells  
Skin irritation : Skin irritation, multiple species  
Eye irritation : animals (unspecified species)



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irritant

- Skin sensitization : animals (unspecified species)  
Not a skin sensitizer.
- Repeated dose toxicity : Oral  
animals (unspecified species)  
Liver effects, Kidney effects, Bloody urine
- Carcinogenicity : An increased incidence of tumours was observed in some laboratory  
animals but not in others.
- Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic  
effects.
- Reproductive toxicity : Animal testing showed effects on reproduction at levels equal to or  
above those causing parental toxicity.
- Teratogenicity : Animal testing showed effects on embryo-foetal development at levels  
equal to or above those causing maternal toxicity.
- Fluorinated Acrylic Copolymer  
Dermal ALD : > 5,000 mg/kg , rabbit
- Oral ALD : > 11,000 mg/kg , rat
- Inhalation 4 h ALC : >1600 mg/m3, rat
- Skin irritation : No skin irritation, rabbit
- Eye irritation : slight irritation, rabbit
- Skin sensitization : Did not cause sensitization on laboratory animals., mice
- Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic  
effects.

**SECTION 12. ECOLOGICAL INFORMATION**

Aquatic Toxicity

2-Butoxyethanol

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96 h LC50	:	Fish (unspecified species) 1,490 mg/l
Fluorinated Acrylic Copolymer 96 h LC50	:	Oncorhynchus mykiss (rainbow trout) 32 mg/l
96 h LC50	:	Pimephales promelas (fathead minnow) 50 - 500 mg/l
72 h EC50	:	Scenedesmus capricornutum (fresh water algae) 1.17 mg/l
48 h EC50	:	Daphnia magna (Water flea) > 100 mg/l

Environmental Fate

Fluorinated Acrylic Copolymer  
Biodegradability : Product is not expected to be biodegradable.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal : In accordance with local and national regulations.

**SECTION 14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

**SECTION 15. REGULATORY INFORMATION**

SARA 313 Regulated  
Chemical(s) : 2-Butoxyethanol

CERCLA Reportable  
Quantity : 53 lbs  
Based on the percentage composition of this chemical in the product.:  
2-Butoxyethanol

PA Right to Know : Substances on the Pennsylvania Hazardous Substances List present at



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Regulated Chemical(s)                    a concentration of 1% or more (0.01% for Special Hazardous Substances): 2-Butoxyethanol

NJ Right to Know  
Regulated Chemical(s)                    : Substances on the New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): 2-Butoxyethanol

**SECTION 16. OTHER INFORMATION**

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Contact person                            : MSDS Coordinator, DuPont Chemicals and Fluoroproducts, Wilmington, DE 19898, (800) 441-7515

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